



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004

TIME: 12:17:21

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set : N:\CRF4\04062004\J089862.raw

Does Not Comply
Corrected Diskette Needed
(p5.4)

3 <110> APPLICANT: Jones, David
4 Manos, Elizabeth
6 <120> TITLE OF INVENTION: TRDL-1 gamma, A NOVEL TUMOR NECROSIS-LIKE LIGAND
8 <130> FILE REFERENCE: 1321.2.34
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/089,862
C--> 10 <141> CURRENT FILING DATE: 2002-04-02
10 <150> PRIOR APPLICATION NUMBER: 60/157,913
11 <151> PRIOR FILING DATE: 1999-10-06
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 1607
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
23 cctaattctc ctgaggctga gggagggtgg agggctctcaa ggcaacgctg gccccacgac 60
25 ggagtgccag gaggactaac agtaccctta gcttgctttc ctccctccctc ctttttatttt 120
27 tcaagttoct ttttatttct ccttgcgtaa caaccttctt cccttctgca ccaactgccc 180
29 tacccttacc cgccccgcca cctccttggt acccactct tgaaccaca gctgttgga 240
31 ggggtccccag ctcatgccag cctcatctcc tttcttgcta gccccaaaag ggcctccagg 300
33 caacatgggg ggcccagtc gagagccggc actctcagtt gccctctggt tgagttgggg 360
35 ggcagctctg ggggcccgtg cttgtgccat ggctctgctg acccaacaaa cagagctgca 420
37 gagcctcagg agagaggtga gccggctgca ggggacagga ggcccctccc agaattggga 480
39 agggatatccc tggcagagtc tcccggagca gaggctccgat gccctggaag cctgggagaa 540
41 tggggagaga tcccggaaaa ggagagcagt gctcaccaca aaacagaaga agcagcactc 600
43 tgtcctgcac ctggttccca ttaacgccac ctccaaggat gactccgatg tgacagaggt 660
45 gatgtggcaa ccagctctta ggcgtgggag aggcctacag gcccaaggat atggtgtccg 720
47 aatccaggat gctggagttt atctgctgta tagccaggtc ctgtttcaag acgtgacttt 780
49 caccatgggt caggtggtgt ctogagaagg ccaagggaagg caggagactc tattccgatg 840
51 tataagaagt atgccctccc acccggaccg ggcctacaac agctgctata gcgcaggtgt 900
53 cttccattta caccaagggg atattctgag tgcataatt ccccgggcaa gggcgaaact 960
55 taacctctct ccacatggaa ccttccctggg actttgattt tacggatata ttgcttctgt 1020
57 tccccatgga gctccgaatt cttgcgtgtg ttagatgag gggcggggga cgggcgccag 1080
59 gcattgttca gacctggtcg gggcccactg gaagcatcca gaacagcacc accatctagc 1140
61 ggcgctcga ggaagcacc cgccggttgg ccgaagtcca cgaagccgcc ctctgctagg 1200
63 gaaaacccct ggttctccat gccacacctc tctccaggtg ccctctgctt cttcacccca 1260
65 caagaagcct tatectacgt ccttctctcc atctatcgga cccagtttc catcactatc 1320
67 tccagagatg tagctattat gcgcccgtct acaggggtg cccgacgatg acggtgcctt 1380
69 cgagtcfaat ttactcttcg ggtcccaagg ttctgcttcc acgcgctcca ttgccccggc 1440
71 gtggcaggcc attccaaggc cttccgggct ggaactggtg tcggaggagc ctcggtgtga 1500
73 tcgtacgccc tgggtgttgt gttgcctcac tcctctgagc tcttctttct gatcaagccc 1560
75 tgcttaagt taaataaaat agaatgaatg ataaaaaaa aaaaaaa 1607
78 <210> SEQ ID NO: 2

RAW SEQUENCE LISTING

DATE: 04/06/2004

PATENT APPLICATION: US/10/089,862

TIME: 12:17:21

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04062004\J089862.raw

79 <211> LENGTH: 247
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
85 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
86 1 5 10 15
89 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
90 20 25 30
93 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
94 35 40 45
97 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
98 50 55 60
101 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
102 65 70 75 80
105 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
106 85 90 95
109 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
110 100 105 110
113 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
114 115 120 125
117 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
118 130 135 140
121 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
122 145 150 155 160
125 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
126 165 170 175
129 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
130 180 185 190
133 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
134 195 200 205
137 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
138 210 215 220
141 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
142 225 230 235 240
145 His Gly Thr Phe Leu Gly Leu
146 245
149 <210> SEQ ID NO: 3
150 <211> LENGTH: 15
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide
157 <400> SEQUENCE: 3
159 Cys Pro Ile Asn Ala Thr Ser Lys Asp Asp Ser Asp Val Thr Glu
160 1 5 10 15
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 250
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004

TIME: 12:17:21

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04062004\J089862.raw

168 <400> SEQUENCE: 4
170 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
171 1 5 10 15
174 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
175 20 25 30
178 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
179 35 40 45
182 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
183 50 55 60
186 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
187 65 70 75 80
190 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
191 85 90 95
194 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
195 100 105 110
198 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
199 115 120 125
202 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
203 130 135 140
206 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
207 145 150 155 160
210 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
211 165 170 175
214 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
215 180 185 190
218 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
219 195 200 205
222 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
223 210 215 220
226 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
227 225 230 235 240
230 His Gly Thr Phe Leu Gly Phe Val Lys Leu
231 245 250
234 <210> SEQ ID NO: 5
235 <211> LENGTH: 234
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 5
241 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
242 1 5 10 15
245 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
246 20 25 30
249 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
250 35 40 45
253 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
254 50 55 60
257 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
258 65 70 75 80
261 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn

RAW SEQUENCE LISTING

DATE: 04/06/2004

PATENT APPLICATION: US/10/089,862

TIME: 12:17:21

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04062004\J089862.raw

| | | | | | | | | | | | | | | | | |
|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 262 | | | | 85 | | | | 90 | | | | 95 | | | | |
| 265 | Gly | Glu | Arg | Ser | Arg | Lys | Arg | Arg | Ala | Val | Leu | Thr | Gln | Lys | Gln | Lys |
| 266 | | | | 100 | | | | 105 | | | | | 110 | | | |
| 269 | Asn | Asp | Ser | Asp | Val | Thr | Glu | Val | Met | Trp | Gln | Pro | Ala | Leu | Arg | Arg |
| 270 | | | 115 | | | | | 120 | | | | | 125 | | | |
| 273 | Gly | Arg | Gly | Leu | Gln | Ala | Gln | Gly | Tyr | Gly | Val | Arg | Ile | Gln | Asp | Ala |
| 274 | | 130 | | | | | 135 | | | | | 140 | | | | |
| 277 | Gly | Val | Tyr | Leu | Leu | Tyr | Ser | Gln | Val | Leu | Phe | Gln | Asp | Val | Thr | Phe |
| 278 | 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| 281 | Thr | Met | Gly | Gln | Val | Val | Ser | Arg | Glu | Gly | Gln | Gly | Arg | Gln | Glu | Thr |
| 282 | | | | 165 | | | | | | 170 | | | | | 175 | |
| 285 | Leu | Phe | Arg | Cys | Ile | Arg | Ser | Met | Pro | Ser | His | Pro | Asp | Arg | Ala | Tyr |
| 286 | | | | 180 | | | | | 185 | | | | | 190 | | |
| 289 | Asn | Ser | Cys | Tyr | Ser | Ala | Gly | Val | Phe | His | Leu | His | Gln | Gly | Asp | Ile |
| 290 | | | 195 | | | | | 200 | | | | | 205 | | | |
| 293 | Leu | Ser | Val | Ile | Ile | Pro | Arg | Ala | Arg | Ala | Lys | Leu | Asn | Leu | Ser | Pro |
| 294 | | 210 | | | | | 215 | | | | | | 220 | | | |
| 297 | His | Gly | Thr | Phe | Leu | Gly | Phe | Val | Lys | Leu | | | | | | |
| 298 | 225 | | | | | | 230 | | | | | | | | | |
| 304 | Page 1 | | | | | | | | | | | | | | | |

delete

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004
TIME: 12:17:22

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004

TIME: 12:17:22

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04062004\J089862.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date